



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : J. Chen
Serial No. : 09/760,362
Confirmation No.:1582
Filed : January 12, 2001
Title : NOVEL TREATMENT FOR EYE DISEASE

Art Unit : 1644
Examiner : Phuong N. Huynh
Customer No.:20985

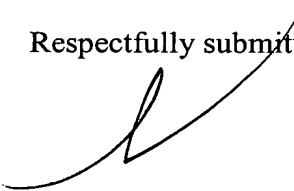
Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Transmitted herewith is a Supplemental Information Disclosure Statement (2 pages); Form PTO-1449 (5 pages); and cited references for filing in connection with the above-captioned application.

[X] The Commissioner is hereby authorized to charge any fee that may be due under 37 C.F.R. §§ 1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,



Stephanie L. Seidman
Reg. No. 33,779

Dated: June 22, 2004

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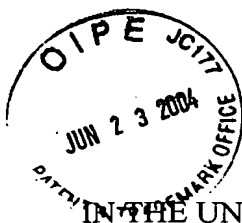
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
IN ACCORDANCE WITH 37 C.F.R. §1.97-1.98

Dear Sir:

This Supplemental Information Disclosure Statement is filed prior to receipt of a First Office Action on the Merits of the Request for Continued Examination of the above-captioned application. Thus, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. The Form PTO-1449 (5 pages) and copies of the cited references are provided herewith.

The documents listed on the Forms PTO-1449 are supplied herewith are in the English with the exception of Item CH (Fischer et al.). Item CH is in the German language and is provided with an English language translation (Item BZ). Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Further to the list provided in the Supplemental Information Disclosure Statement hand delivered on July 31, 2003, Applicant makes known to the Examiner the following U.S. and International, patents and publications that are commonly owned:



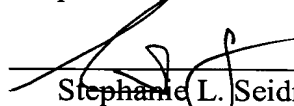
U.S.S.N.	Filing Date	Publication or Issue No.	Publication or Issue Date	Docket No.
09/592,150	06/12/00	6,624,187	09/23/03	0049
09/801,163	03/07/01	2002-0128303	09/12/02	0050
10/351,730	01/23/03	2003-0167033	09/04/03	0052
10/410,700	04/08/03	2003-0208249	11/06/03	0055D
10/802,284	03/16/04			0055E
10/091,144	03/04/02	2002-0127224	09/12/02	0066B
10/607,922	06/27/03	2004-0044197	03/04/04	0094
10/613,474	07/02/03	2004-0044198	03/04/04	0095

Int'l App. No.	Filing Date	Publication No.	Publication Date	Docket No.
PCT/US03/02303	01/23/03	WO03061696	07/31/03	0052PC
PCT/US03/20427	06/27/03	WO04002486	01/08/04	0094PC
PCT/US03/21179	07/02/03	WO04005289	01/15/04	0095PC
03010382.4	05/10/03			CHEN0188
PCT/US02/28149	11/25/02	WO03052793	06/26/03	CHEN0187

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and information and that they be made of record in the file history of the above-captioned application.

Respectfully submitted,


Stephanie L. Seidman
Registration No. 33,779

Dated: June 22, 2004
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Substitute Form PTO-1449
(Modified)

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.
25886-0062
(17105-026001)

Application No.
09/760,362

**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 C.F.R. § 1.98(b))

Applicant
J. Chen

Filing Date
January 12, 2001

Group Art Unit
1644

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A	RE37,180	05/15/01	Mori et al.	514	410	04/29/99
	B	2002/0127224	09/12/02	Chen	424	130.1	03/04/02
	C	2003/0018371	01/23/03	Chen	607	88	07/13/01
	D	2003/0030342	02/13/03	Chen et al.	310	102	12/13/01
	E	2003/0109813	06/12/03	Chen	601	2	12/10/02
	F	2003/0114434	06/19/03	Chen et al.	514	185	08/31/99
	G	2003/0167033	09/04/03	Chen et al.	604	20	01/23/03
	H	2003/0208249	11/06/03	Chen	607	88	04/08/03
	I	2004/0044197	03/04/04	Pandey et al.	540	140	06/27/03
	J	2004/0044198	03/04/04	Pandey et al.	540	145	06/02/03
	K	4,521,762	06/04/85	Kapral	340	347	12/20/82
	L	4,577,636	03/25/86	Spears	128	654	01/27/84
	M	4,753,958	06/28/88	Weinstein et al.	514	410	06/25/86
	N	4,861,876	08/29/89	Kessel	540	145	11/26/86
	O	4,878,891	11/07/89	Judy et al.	604	5	06/25/87
	P	4,957,481	09/18/90	Gatenby	604	20	07/03/89
	Q	4,997,639	03/05/91	Aizawa et al.	424	9	11/27/89
	R	5,028,594	07/02/91	Carson	514	23	12/27/88
	S	5,041,078	08/20/91	Matthes et al.	604	4	12/21/89
	T	5,053,006	10/01/91	Watson	604	52	04/02/90
	U	5,298,018	03/29/94	Narciso, Jr.	604	21	08/14/92
	V	5,308,861	05/03/94	Aizawa et al.	514	410	04/29/92
	W	5,330,741	07/19/94	Smith et al.	424	9	02/24/92
	X	5,368,841	11/29/94	Trauner et al.	424	9	02/11/93
	Y	5,430,051	07/04/95	Aizawa et al.	514	410	04/19/94
	Z	5,441,531	08/15/95	Zarate et al.	607	90	10/18/93
	AA	5,459,159	10/17/95	Pandey et al.	514	410	05/05/94
	AB	5,484,803	01/16/96	Richter	514	410	02/02/95
	AC	5,498,710	03/12/96	Pandey et al.	540	145	04/22/94
	AD	5,500,009	03/19/96	Mendes et al.	607	88	09/27/93

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
25886-0062
(17105-026001)Application No.
09/760,362**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
J. ChenFiling Date
January 12, 2001Group Art Unit
1644**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AE	5,514,669	05/07/96	Selman	514	63	09/29/93
	AF	5,534,506	07/09/96	Morgan et al.	514	185	06/20/94
	AG	5,549,660	08/27/96	Mendes et al.	607	088	11/12/92
	AH	5,556,612	09/17/96	Anderson et al.	424	59	03/15/94
	AI	5,567,409	10/22/96	Aizawa et al.	424	9.363	12/12/94
	AJ	5,591,847	01/07/97	Pandey et al.	540	472	05/23/94
	AK	5,594,136	01/14/97	Sessler et al.	540	472	05/03/95
	AL	5,705,518	01/06/98	Richter et al.	514	410	02/06/95
	AM	5,736,563	04/07/98	Richter	514	410	11/08/95
	AN	5,770,619	07/23/98	Richter et al.	514	410	11/01/95
	AO	5,824,080	10/20/98	Lamuraglia	623	11	09/04/96
	AP	5,829,448	11/03/98	Fisher et al.	128	898	10/30/96
	AQ	5,832,931	11/10/98	Wachter et al.	128	898	10/30/96
	AR	5,851,225	12/22/98	Lawandy	607	88	11/13/96
	AS	5,864,035	01/26/99	Pandey et al.	540	472	03/06/97
	AT	5,877,279	03/02/99	Goldberg	530	350	10/13/94
	AU	5,913,884	06/22/99	Trauner et al.	607	88	10/31/96
	AV	5,942,534	08/24/99	Trauner et al.	514	410	10/10/97
	AW	5,944,748	08/31/99	Mager et al.	607	88	07/25/97
	AY	5,945,439	08/31/99	Richter et al.	514	410	07/02/97
	AZ	5,952,366	09/14/99	Pandey et al.	514	410	06/22/98
	BA	5,955,585	09/21/99	Scherz et al.	530	408	06/05/95
	BB	5,976,535	11/02/99	Fritzberg et al.	424	182.1	06/06/95
	BC	5,994,535	11/30/99	Sessler et al.	540	472	02/26/98
	BD	5,998,597	12/07/99	Fisher et al.	536	23.1	12/11/97
	BE	6,036,941	03/14/00	Bottiroli et al.	424	9.6	05/11/98
	BF	6,048,359	04/11/00	Biel	607	92	08/25/98
	BG	6,090,788	07/18/00	Lurie	514	23	06/30/99
	BH	6,107,466	08/22/00	Hasan et al.	530	351	09/24/98
	BI	6,117,862	09/12/00	Margaron et al.	514	185	11/09/98

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 25886-0062 (17105-026001)	Application No. 09/760,362
	Applicant J. Chen			
	Filing Date January 12, 2001		Group Art Unit 1644	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BJ	6,123,923	09/26/00	Unger et al.	424	9.52	12/18/97
	BK	6,152,951	11/28/00	Hashimoto et al.	607	92	02/17/98
	BL	6,162,242	12/19/00	Peyman	607	88	01/21/99
	BM	6,187,030	02/13/01	Gart et al.	607	93	11/05/98
	BN	6,217,869	04/17/01	Meyer et al.	424	178.1	09/05/97
	BO	6,602,274	08/05/03	Chen	607	88	03/18/99
	BP	6,624,187	09/23/03	Pandey et al.	514	410	06/12/00
	BQ	6,657,351	12/02/03	Chen et al.	310	171	07/20/01

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	BR	99/67249 A1	12/29/99	PCT				
	BS	00/61584 A1	10/19/00	PCT				
	BT	03/052793A2	06/26/03	PCT				
	BU	92/00106	01/09/92	PCT				
	BV	97/31582	09/04/97	PCT				
	BW	2004/002476 A2	01/08/04	PCT				
	BX	2004/005289 A2	01/15/04	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	BY	Boulton et al., "VEGF localisation in diabetic retinopathy," <i>Br. J. Ophthalmol.</i> 82:561-568 (1998)
	BZ	Certified English Translation of: Fischer, H. et al., "[On the Bromination of the Esters of Mesoisochlorin e ₄ and Mesochlorin e ₆]," <i>Berichte der Deutschen Chemischen</i> 75:1778-1795 (1942)
	CA	Chen et al., "New directions in photodynamic therapy," <i>ICCP-2. 2nd International Conference on Porphyrins and Phthalocyanines</i> , 2002 30 June - 5 July; Kyoto, Japan: 78 [abstract S-26]
	CB	Chen et al., "New technology for deep light distribution in tissue for phototherapy," <i>Cancer J</i> 8(2):154-163. (2002)
	CC	Chen et al., "Next-generation light delivery system for multitreatment extended-duration photodynamic therapy (MED-PDT)," <i>Proc SPIE</i> 2972:161-166 (1997).
	CD	Database Crossfire Beilstein, Database Accession No. 4286587 (Reaction ID), for Levinson, E.G. et al., Russ. J. Bioorg. Chem (Engl. Transl.) 21(3):199-203 (1995) in Russian in the :Bioorg. Khim. 21(3):230-234 (1995)

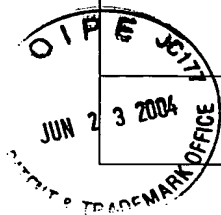
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				Filing Date January 12, 2001		Group Art Unit 1644	
Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
	CE	Derwent English Abstract, Accession No. 1996-475153, citing Russian Patent RU 2054944 C, published February 27, 1996, "Production of purpurin-18 for treatment of tumours – comprises extracting vegetable waste with ethanol, oxidative splitting, degreasing and purifying".					
	CF	Devoisselle, J.M et al., "Effect of indocyanin green formulation on blood clearance and in vivo fluorescence kinetic profile of skin," Proceedings of optical biopsies : 14-15 September 1995, Barcelona, Spain SPIE proceedings series, v. 2627 pp.100-108 (1995)					
	CG	Dougherty et al., "Photosensitization of Malignant Tumors," <i>Seminars in Surgical Oncology</i> 2:24-37 (1984)					
	CH	Fischer, H. et al., "[On the Bromination of the Esters of Mesoisochlorin e ₄ and Mesochlorin e ₆]," <i>Berichte der Deutschen Chemischen</i> 75:1778-1795 (1942)					
	CI	Haslam et al., "Recent Developments in Methods for the Esterification and Protection of the Carboxyl Group," <i>Tetrahedron</i> 36: 2409-2433 (1980)					
	CJ	Henderson et al., "An <i>in Vivo</i> Quantitative Structure-Activity Relationship for a Congeneric Series of Pyropheophorbide Derivatives as Photosensitizers for Photodynamic Therapy," <i>Cancer Research</i> 57:4000-4007 (1997)					
	CK	Kessel et al., "Photosensitization with Bacteriochlorins," <i>Photochemistry and Photobiology</i> 58(2):200-203 (1993)					
	CL	Kreimer-Birnbaum et al., "Modified Porphyrins, Chlorins, Phthalocyanines, and Purpurins: Second-Generation Photosensitizers for Photodynamic Therapy," <i>Seminars in Hematology</i> 26(2):157-173 (1989)					
	CM	Li et al., "Application of Ruppert's reagent in preparing novel perfluorinated porphyrins, chlorins and bacteriochlorins", <i>J. Chem. Soc. Perkin Trans 1</i> , 1785-1787 (1999)					
	CN	Pandey et al., "Comparative in vivo Sensitizing Efficacy of Porphyrin and Chlorin Dimers Joined with Ester, Ether, Carbon-Carbon or Amide Bonds," <i>Journal of Molecular Recognition</i> 9:118-122 (1996)					
	CO	Patent Abstract of Japan citing Japanese Patent Application JP 09124652, published May 13, 1997, "Porphyrin Derivative and Use Thereof".					
	CP	Prewett et al., "Antivascular Endothelial Growth Factor Receptor (Fetal Liver Kinase 1) Monoclonal Antibody Inhibits Tumor Angiogenesis and Growth of Several Mouse and Human Tumors," <i>Cancer Research</i> 59:5209-5218 (1999)					
	CQ	Rakestraw et al., "Antibody-targeted photolysis: In vitro studies with Sn(IV) chlorin e ₆ covalently bound to monoclonal antibodies using a modified dextran carrier," <i>Proc. Natl. Acad. Sci. USA</i> 87:4217-4221 (1990)					
	CR	Schmidt-Erfurth et al., "Photodynamic therapy of subfoveal choroidal neovascularization: clinical and angiographic examples," <i>Graefe's Arch Clin Exp Ophthalmol.</i> 236:365-374 (1998)					
	CS	Schmidt-Erfurth et al., "Vascular Targeting in Photodynamic Occlusion of Subretinal Vessels," <i>Ophthalmology</i> 101:1953-1961 (1994)					
	CT	Smith et al., "Bacteriochlorophylls <i>c</i> from <i>Chloropseudomonas ethylicum</i> . Composition and NMR Studies of the Pheophorbides and Derivatives," <i>Journal of the American Chemical Society</i> 102(7):2437-2448 (1980)					
	CU	Smith et al., "Meso substitution of chlorophyll derivatives : direct route for transformation of bacteriopheophorbides <i>d</i> into bacteriopheophorbides <i>c</i> ," <i>Journal of the American Chemical Society</i> 107:4946-4954 (1985)					
	CV	Spikes, J.D., "Porphyrins and Related Compounds as Photodynamic Sensitizers," <i>Annals of the New York Academy of Sciences</i> 244:496-508 (1975)					



Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 25886-0062 (17105-026001)	Application No. 09/760,362
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))				Applicant J. Chen	
				Filing Date January 12, 2001	Group Art Unit 1644
Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner Initial	Desig. ID	Document			
	CW	Zheng et al., "Photosensitizers Related to Purpurin-18- <i>N</i> -alkylimides: A Comparative <i>in vivo</i> Tumoricidal Ability of Ester versus Amide Functionalities", <i>Bioorganic & Med. Chem. Letts.</i> , 10:123-127 (2000)			
	CX	Zheng et al., "Chlorin-based symmetrical and unsymmetrical dimers with amide linkages: effect of the substituents on photodynamic and photophysical properties," <i>J. Chem. Soc. Perkins. Trans. 1</i> , 3113-3121 (2000)			



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